

Work Order ID 76027

November-03-11 8:57:27 AM

76027

Page 1

Item ID: D3589-19 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Aft Guide Plate
 Start Date: 03/11/2011 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 17/11/2011 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: M.L.J Date: 11/11/03 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3589	Rev B								

100

0.00

100

Waterjet

FLOW CNC Waterjet

304 063

Memo

Cut as per dwg D3589

Prog Rev: B

Dwg Rev: B

Deburr as required

0.00

B11-11-7

(12)

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Quality Control

Memo

0.00

B11-11-7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 76027

November-03-11 8:57:27 AM

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Page 2

Item ID: D3589-19 Accept ***N900040100*** Setup Start ***NS1***
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 Item Name: Aft Guide Plate
 Start Date: 03/11/2011 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 17/11/2011 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00		<i>Sulu</i>		<i>(X12)</i>			
140 *140* Packaging Packaging	Identify as per dwg & Stock Location <i>Small KA B</i> Memo <i>WA</i>	0.00 0.00							<i>u/u/gf</i> <i>(12)</i>
150 *150* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							<i>u/u/gf</i> <i>MF</i> <i>11-11-09</i>

W/O:		WORK ORDER CHANGES					
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NOTE: Date & initial all entries

Picklist Print

November-03-11 8:57:32 AM

Page 1

Work Order ID: 76027

76027

Parent Item: D3589-19

D3589-19

Parent Item Name: Aft Guide Plate

Start Date: 03/11/2011

Required Date: 17/11/2011

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A 08-05-30 new issue DD verified by:ec IPP Rev:B 09-02-20 rev.b asper dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M304S16GA

Purchased

No

100

sf

164.9000

0.01

0.084211

M304S16GA

1811-11-7

304/316 Sheet .063

Location

Loc Qty

Loc Code

MAT020

164.9

119346

164.9

119346

12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries

Work Order: 76027

Part Number: D3589-14

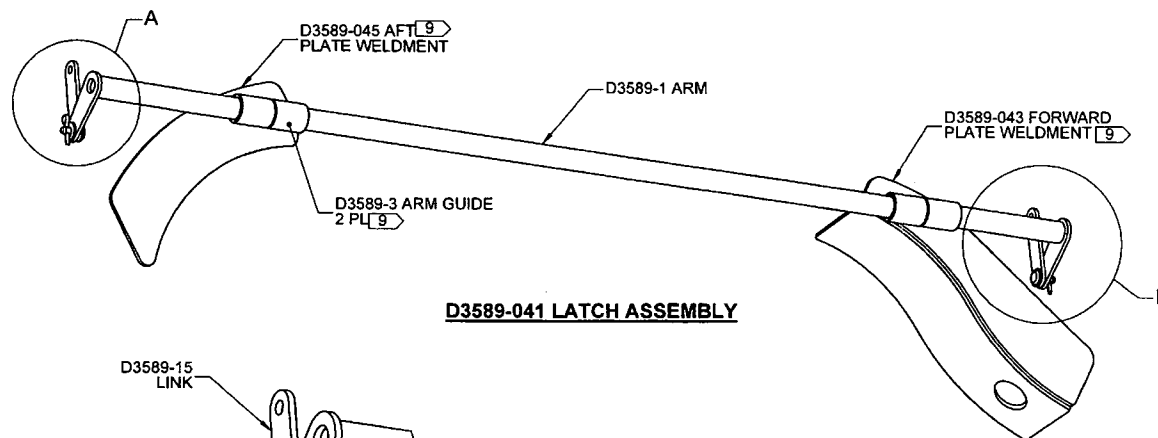
Page 1 of 1

X	First Article	X	Prototype
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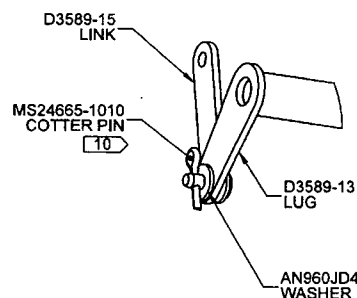
Measured by: <u>RB</u>		Audited by: <u>S</u>		Prototype Approval:	
Date: <u>11-11-7</u>		Date: <u>11/11/07</u>		Date:	

Rev	Date	Change	Revised by	Approved
A		New Issue	KJ/JLM	

QTY. -041	P/N	DESCRIPTION
X	D3589-041	LATCH ASSEMBLY
1	D3589-045	AFT PLATE WELDMENT
1	D3589-043	FORWARD PLATE WELDMENT
1	D3589-1	ARM
2	D3589-3	ARM GUIDE
2	D3589-13	LUG
2	D3589-15	LINK
4	AN960JD4	WASHER
2	MS20392-1C7	PIN
2	MS24665-1010	COTTER PIN

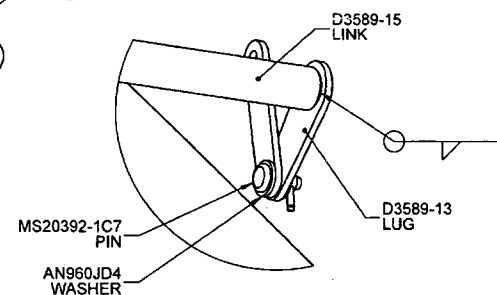


D3589-041 LATCH ASSEMBLY



DETAIL A: LINK ASSEMBLY DETAIL

SCALE 2X
2 PL



**DETAIL B: WELDING AND
LINK ASSEMBLY DETAIL**

SCALE 2X
2 PL

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 76027 M.C.J.
11/11/03

D3589-041 NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3589-041" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.73 lbs
- 8) WELDING: PER DART QSI 004 USING DT9033
- 9) IDENTIFIED PARTS ARE LOOSE ON D3589-1 ARM
- 10) INSTALL COTTER PIN IN ACCORDANCE WITH MS33540

B	0.90 AND 0.63 REF WERE 1.97 AND 0.60 (ZN C6-2); 0.50 WAS 1.89 (ZN C3-2); 0.75 REF REPLACES 2.01 (ZN C2-2); 29" WAS 15" (ZN B2-2); 19.00 WAS 18.88 (ZN D4-4); REDESIGNED D3589-9 (ZN A6-6) AND D3589-11F (ZN C2-3) REASON: REDESIGN FOR PROPER FIT AND TO MATCH TESTED CONFIGURATION	MB	08.06.25
A	NEW ISSUE	MB	08.05.29
REV.	DESCRIPTION	BY	DATE
DESIGN	J		
DRAWN	J		
CHECKED	PH		
MFG. APPR.	J		
APPROVED	J		
DE APPR.	J		
DATE	08.06.25		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3589** REV. B
SHEET 1 OF 8
TITLE **LATCH ASSEMBLY** SCALE NTS

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09/02/03/MP

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

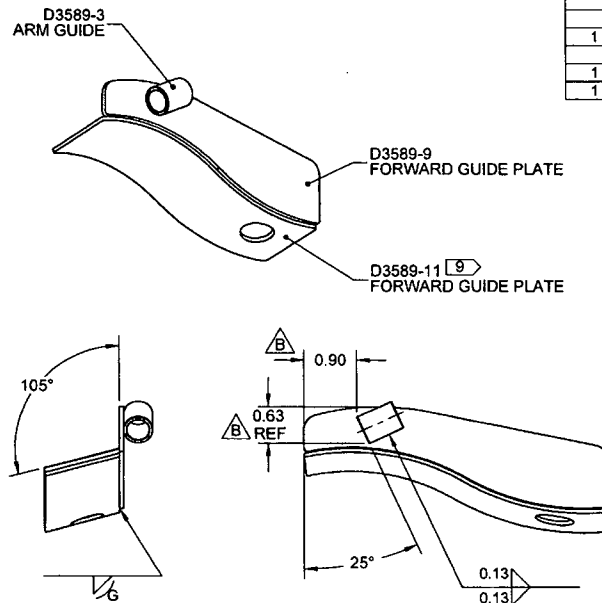
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

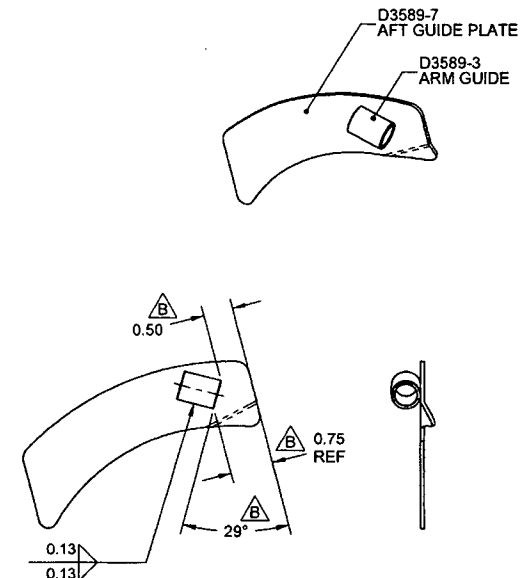
NOTE: Date & initial all entries

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QTY -043	QTY -045	P/N	DESCRIPTION
X		D3589-043	FORWARD PLATE WELDMENT
	X	D3589-045	AFT PLATE WELDMENT
1	1	D3589-3	ARM GUIDE
1	1	D3589-7	AFT GUIDE PLATE
1		D3589-9	FORWARD GUIDE PLATE
1		D3589-11	FORWARD GUIDE PLATE



D3589-043 FORWARD PLATE WELDMENT



D3589-045 AFT PLATE WELDMENT

D3589-043/-045 NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3589-0XX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT:
 - D3589-043 = 0.22 lbs
 - D3589-045 = 0.10 lbs
- 8) WELDING: PER DART QSI 004 USING DT9033
- 9) FORM D3589-11 TO FIT D3589-9 MATING EDGE

RELEASED
09/03/05

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN				
CHECKED			DRAWING NO. D3589	REV. B
MFG. APPR.			TITLE LATCH ASSEMBLY	SHEET 2 OF 8
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DE APPR.				NTS
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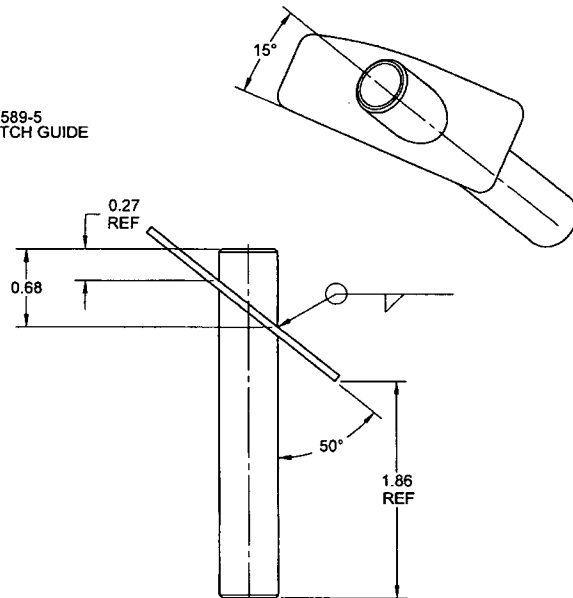
NOTE: Date & initial all entries

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QTY -047	QTY -049	P/N	DESCRIPTION
X		D3589-047	FORWARD GUIDE
	X	D3589-049	AFT GUIDE
1	1	D3589-5	LATCH GUIDE
1		D3589-17	FORWARD GUIDE PLATE
	1	D3589-19	AFT GUIDE PLATE

D3589-17
FORWARD GUIDE PLATE

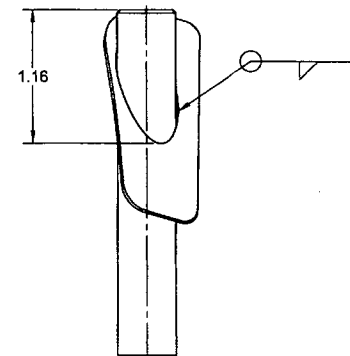
D3589-5
LATCH GUIDE



D3589-047 FORWARD GUIDE

D3589-19
AFT GUIDE PLATE

D3589-5
LATCH GUIDE



D3589-049 AFT GUIDE

D3589-047/-049 NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3589-0XX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.07 lbs EACH
- 8) WELDING: PER DART QSI 004

RELEASED
08/06/25

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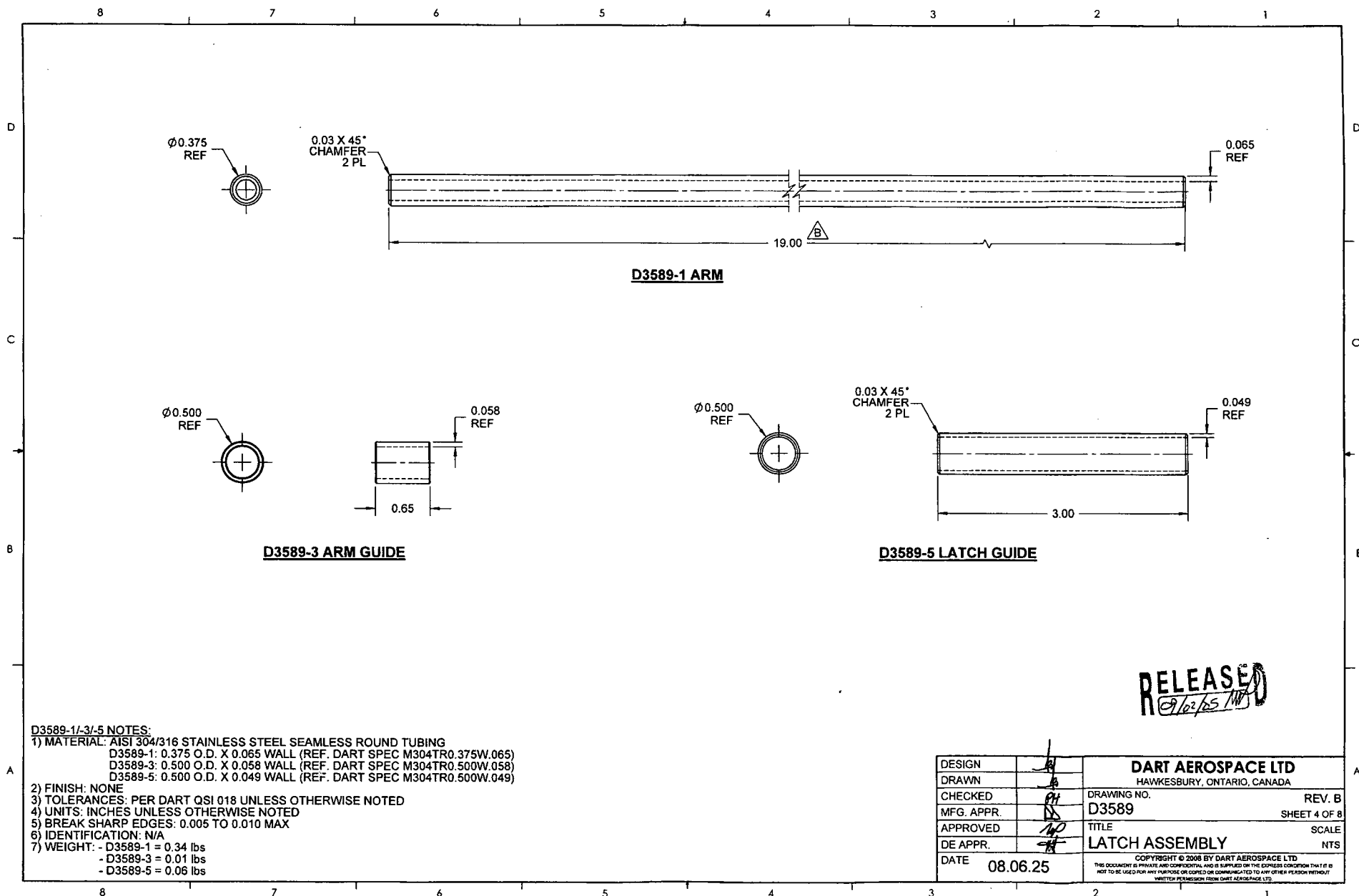
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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09/02/05 MJP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

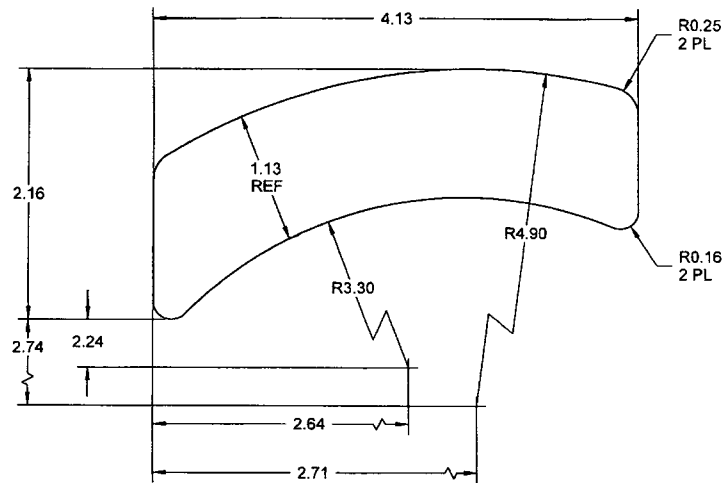
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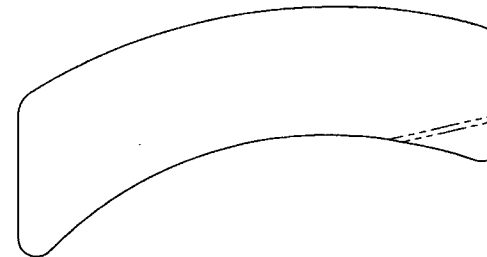
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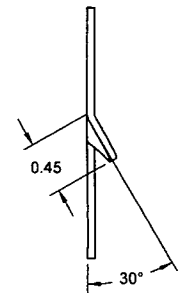
76027



**D3589-7F AFT GUIDE PLATE
FLAT PATTERN**



**D3589-7 AFT GUIDE PLATE
MAKE FROM D3589-7F**



RELEASED
09/22/05 MB

D3589-7F NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH
16 GAUGE (0.063 THICK), (REF. DART SPEC M304S16GA)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.09 lbs

DESIGN		DART AEROSPACE LTD	
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CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3589	SHEET 5 OF 8
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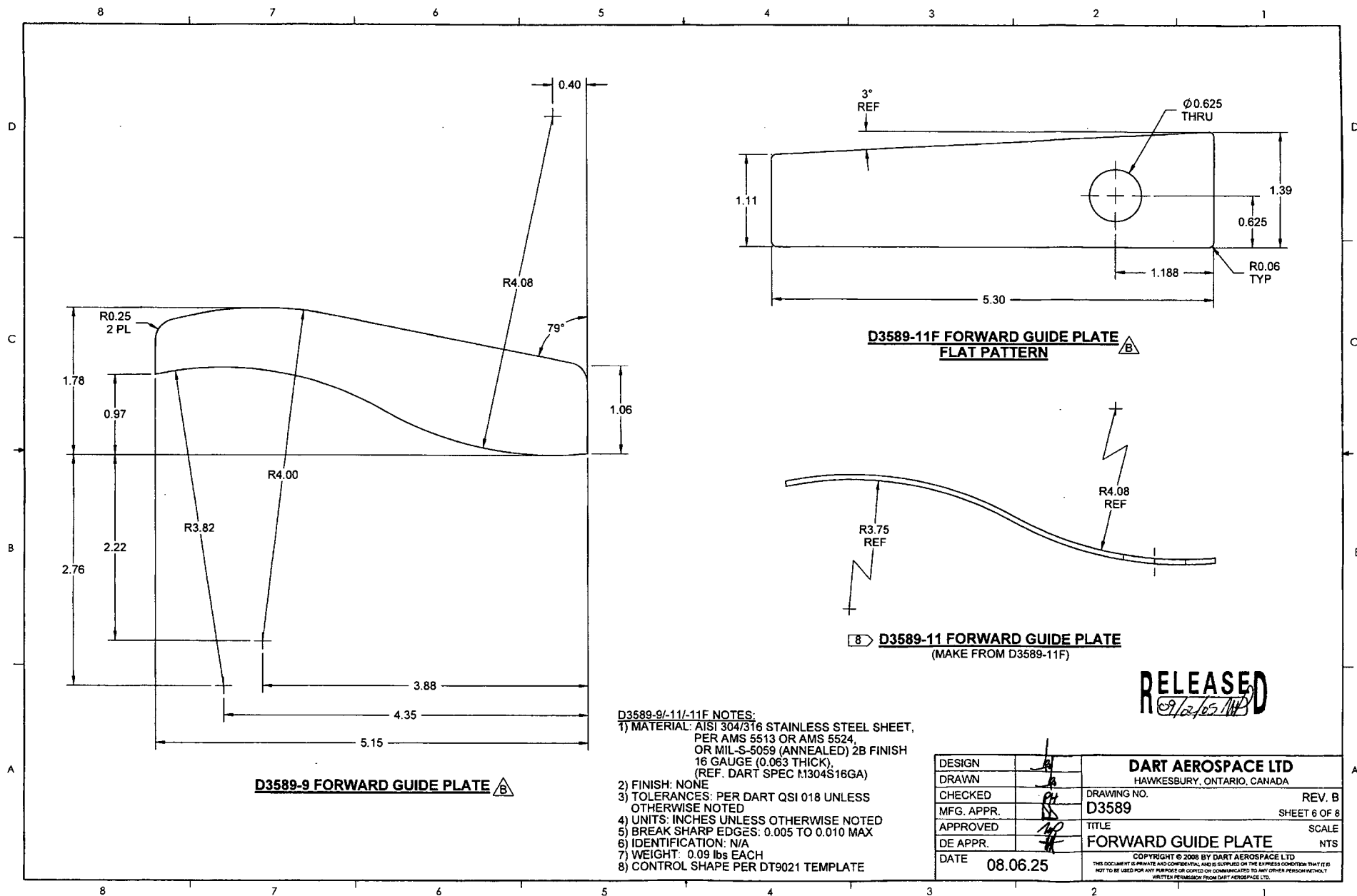
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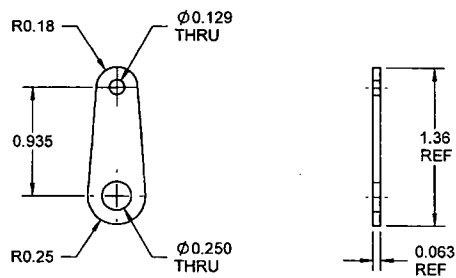
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

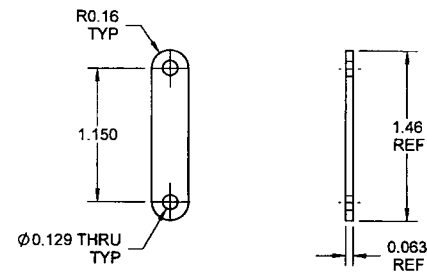
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NOTE: Date & initial all entries

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D3589-13 LUG



D3589-15 LINK

RELEASED
09/02/05 JMT

D3589-13/-15 NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH
16 GAUGE (0.063 THICK), (REF. DART SPEC M304S16GA)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs EACH

DESIGN	J	DART AEROSPACE LTD	
DRAWN	B	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.	SS	D3589	SHEET 7 OF 8
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DE APPR.	TH	LATCH ASSEMBLY	NTS
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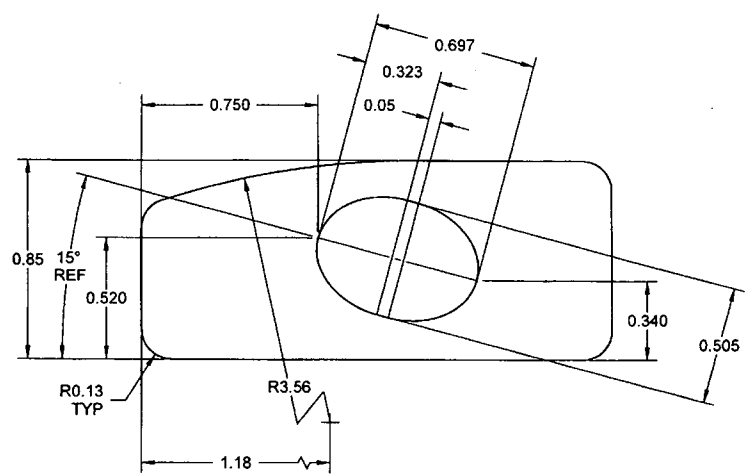
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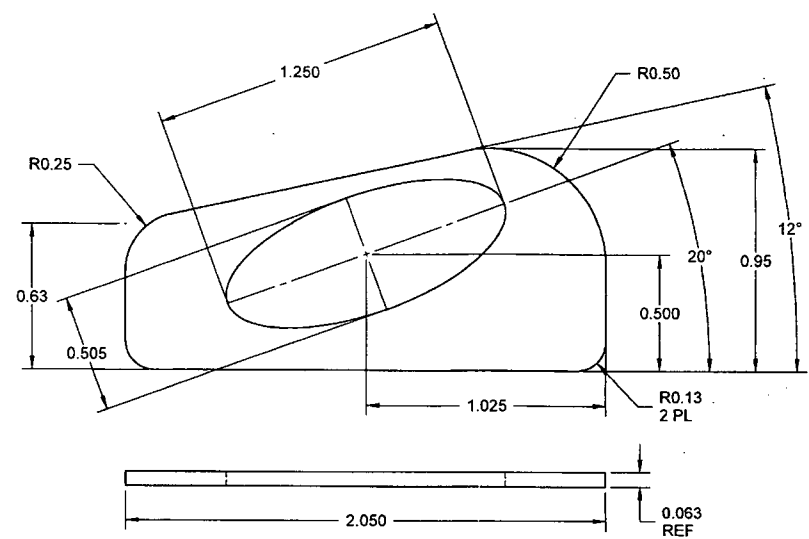
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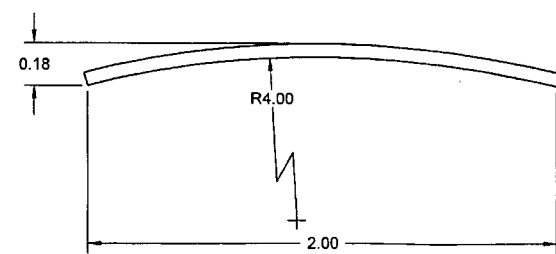
76027



D3589-17 FORWARD GUIDE PLATE



D3589-19F AFT GUIDE PLATE FLAT PATTERN



D3589-19 AFT GUIDE PLATE
(MAKE FROM D3589-19F)

RELEASED
09/62/65/118

D3589-17/-19/-19F NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH, 16 GAUGE (0.063 THICK), (REF. DART SPEC M304S16GA)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs EACH

DESIGN		DART AEROSPACE LTD	
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CHECKED		DRAWING NO.	REV. B
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